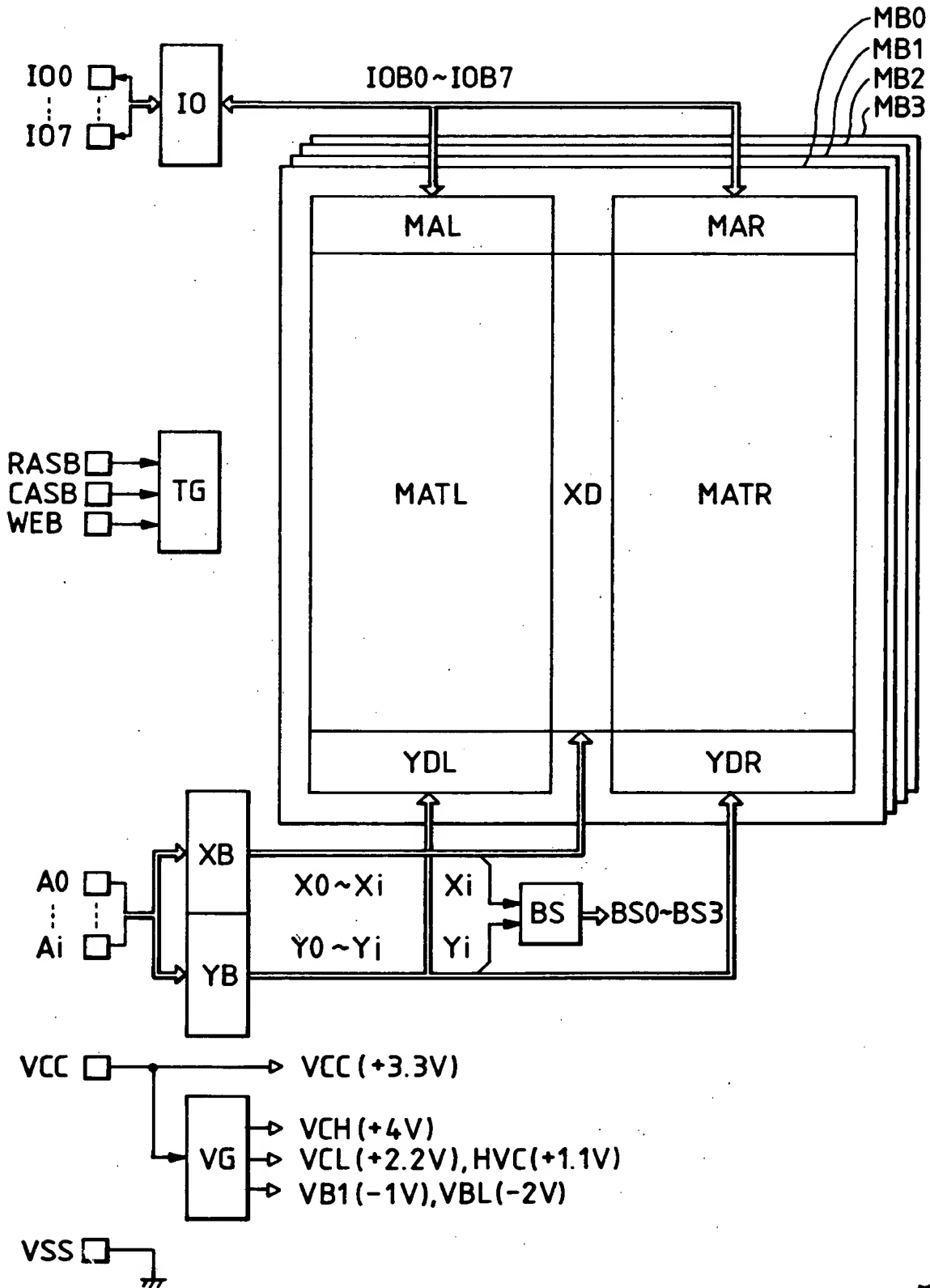
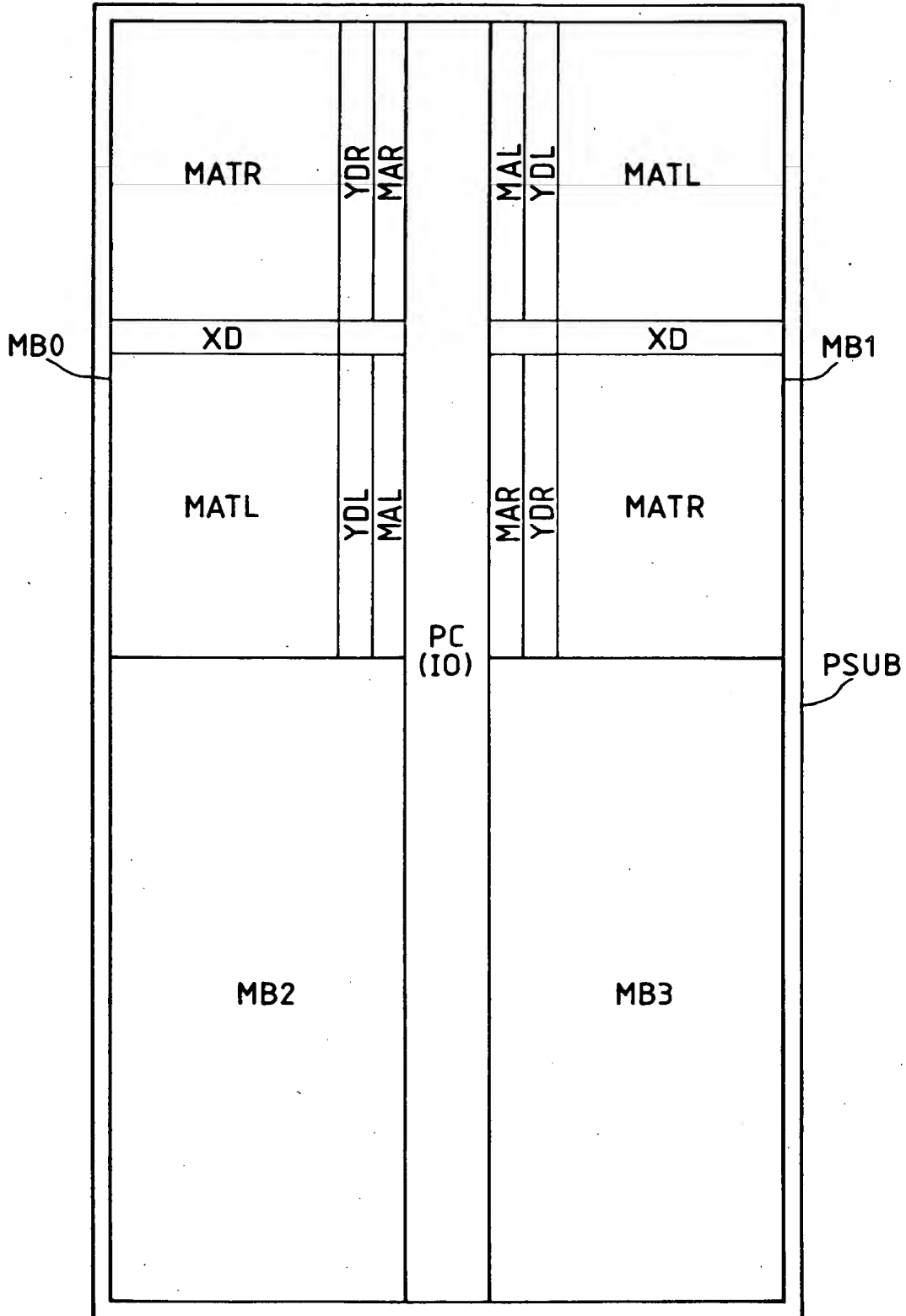


FIG. 1



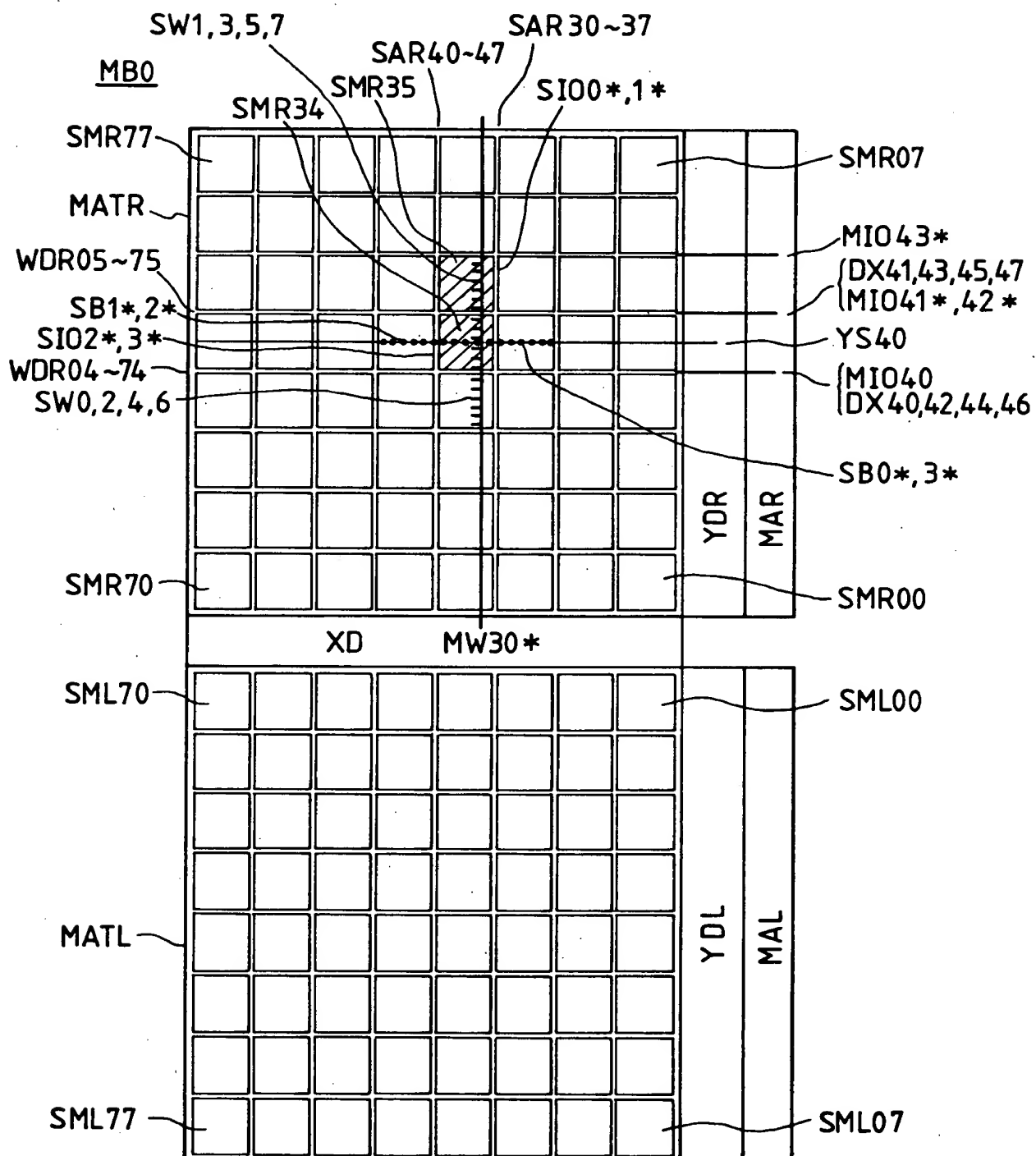
Figs. 32

FIG. 2



08222957 28630

FIG. 3



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FIG. 4

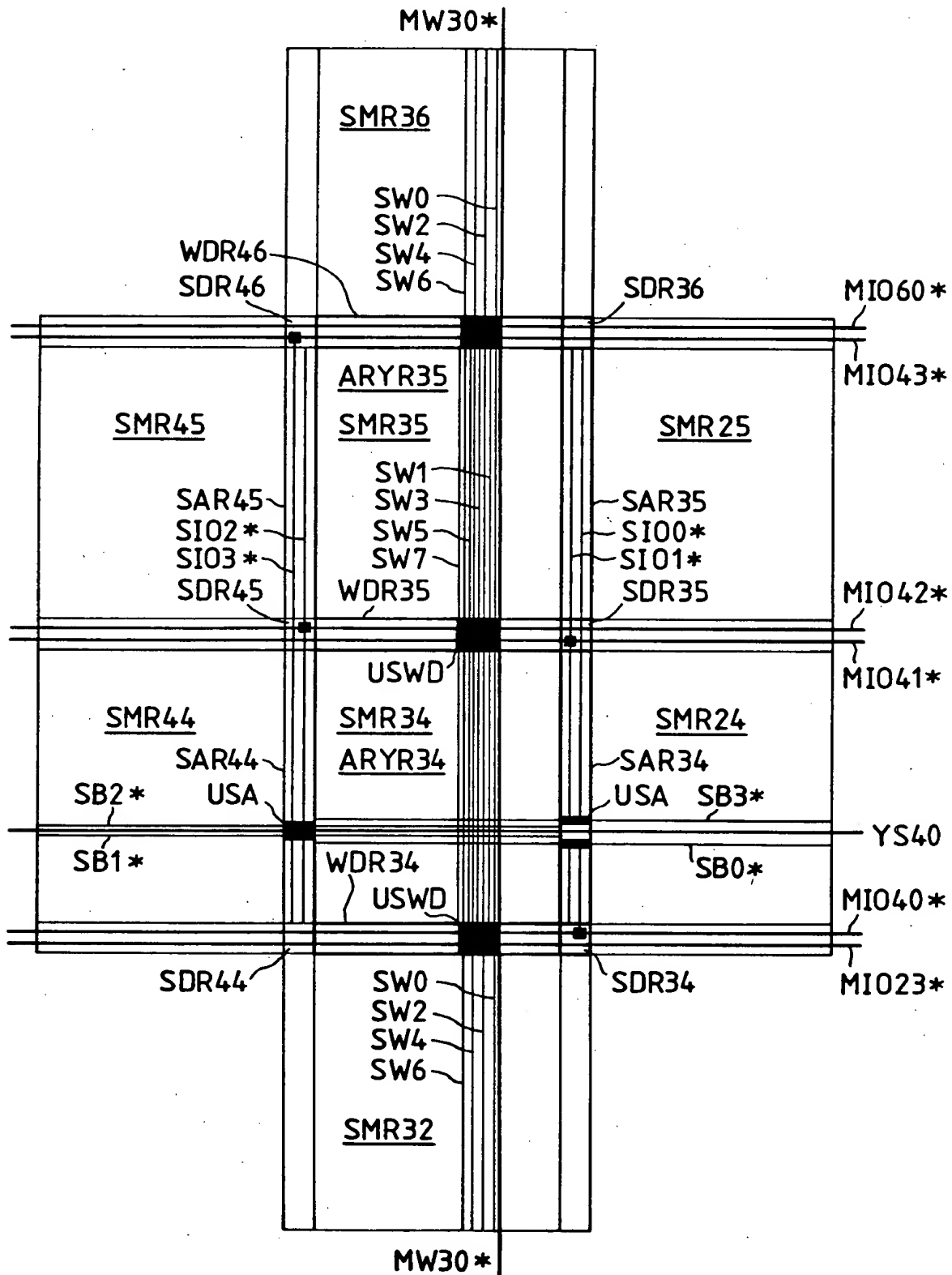
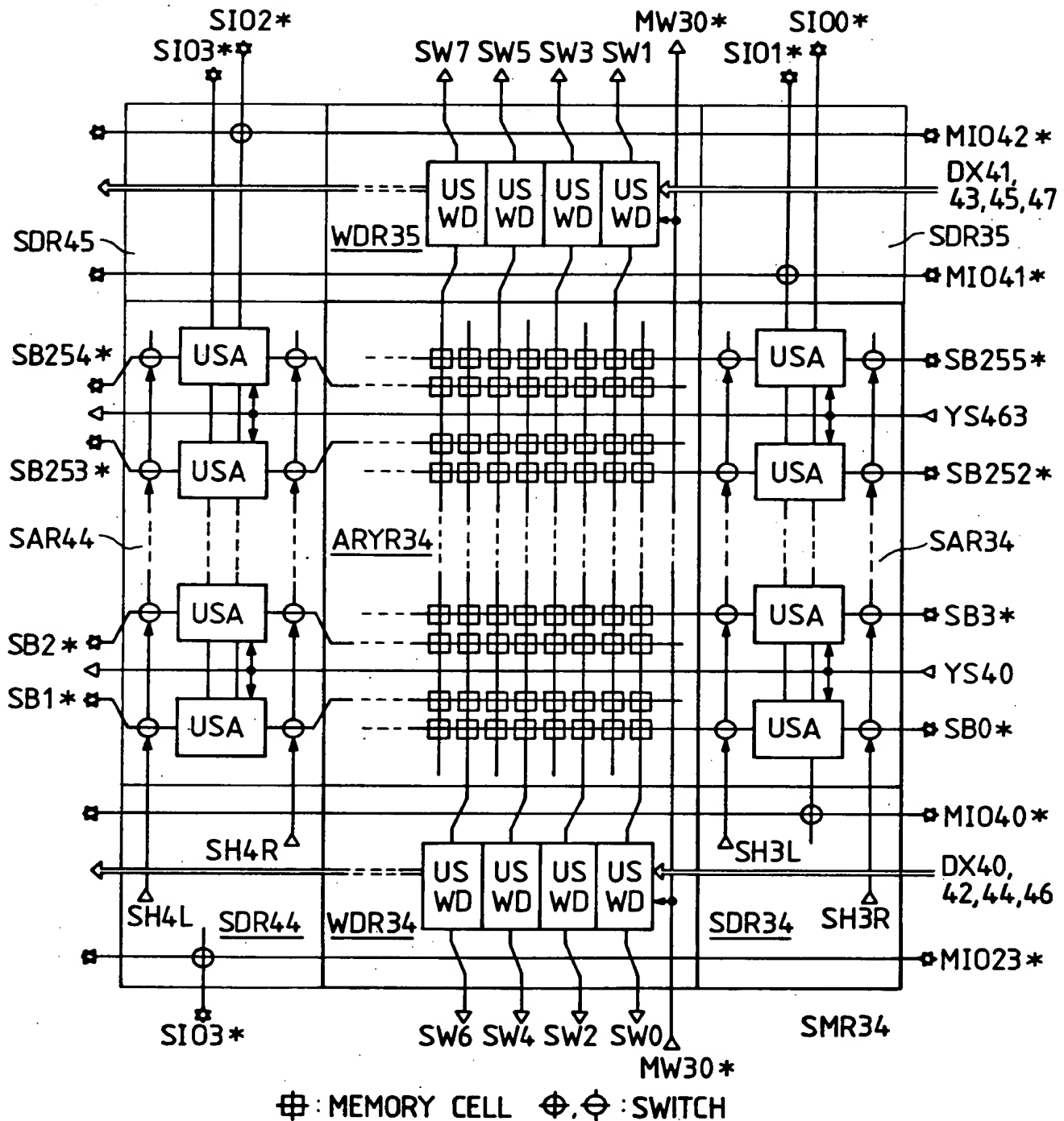
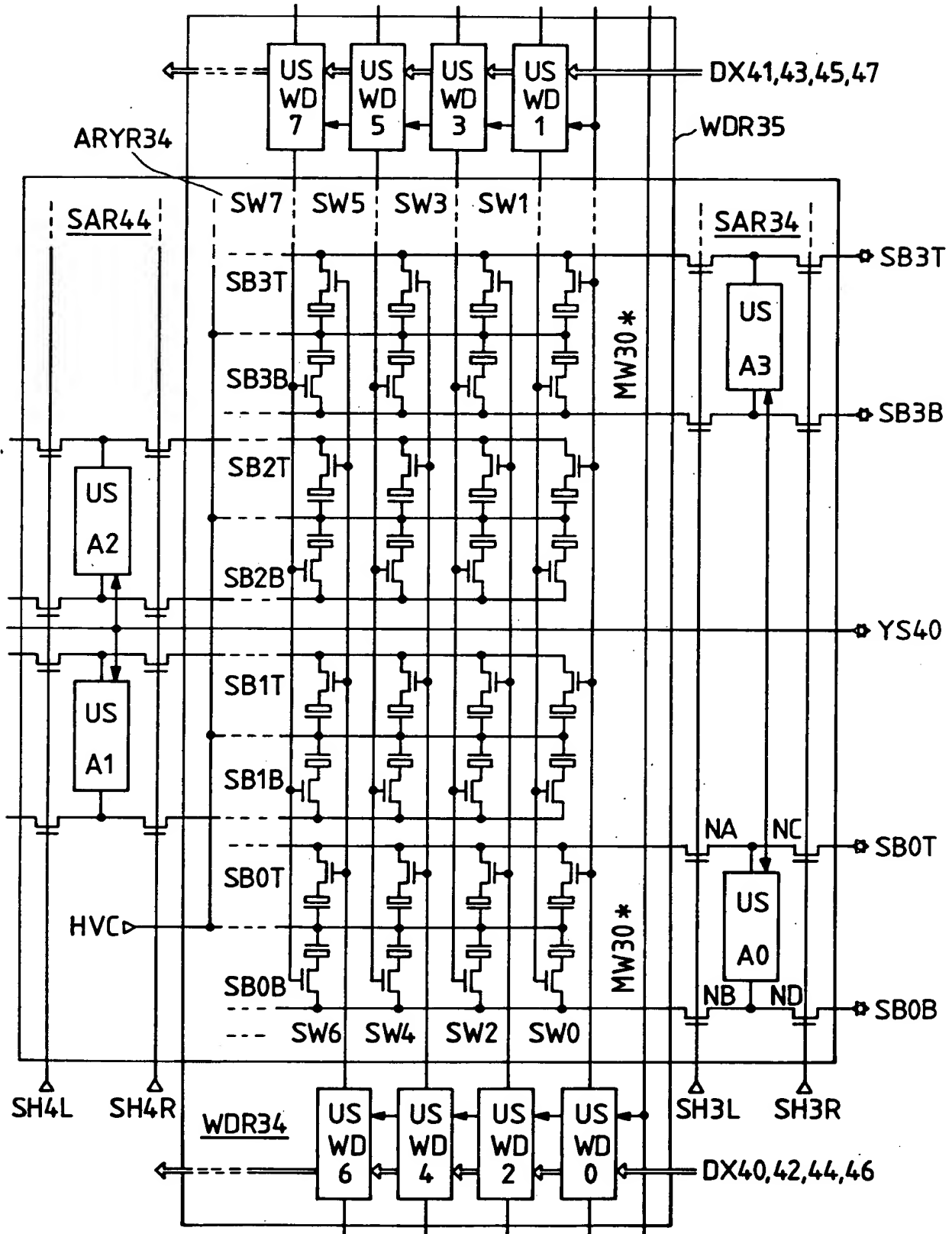


FIG. 5



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FIG. 6



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FIG. 7(A)

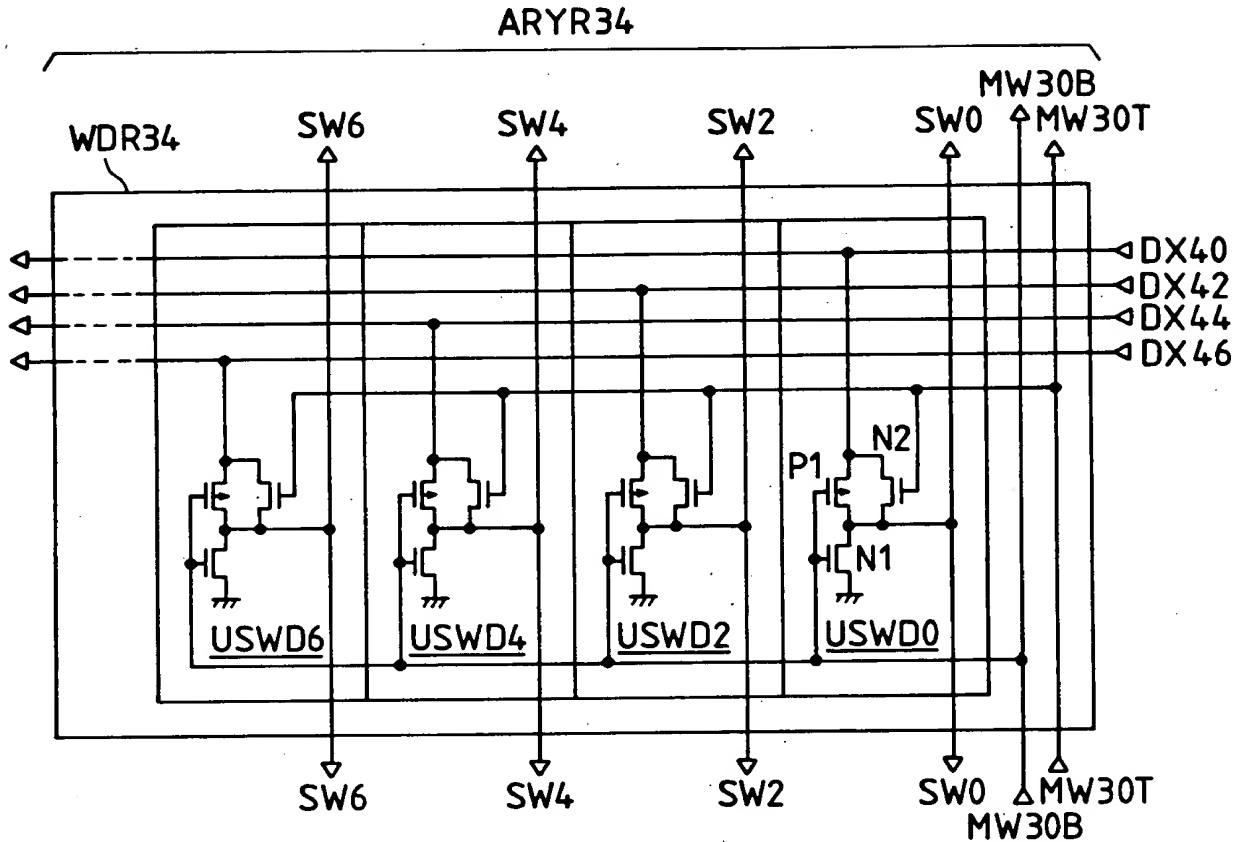


FIG. 7(B)

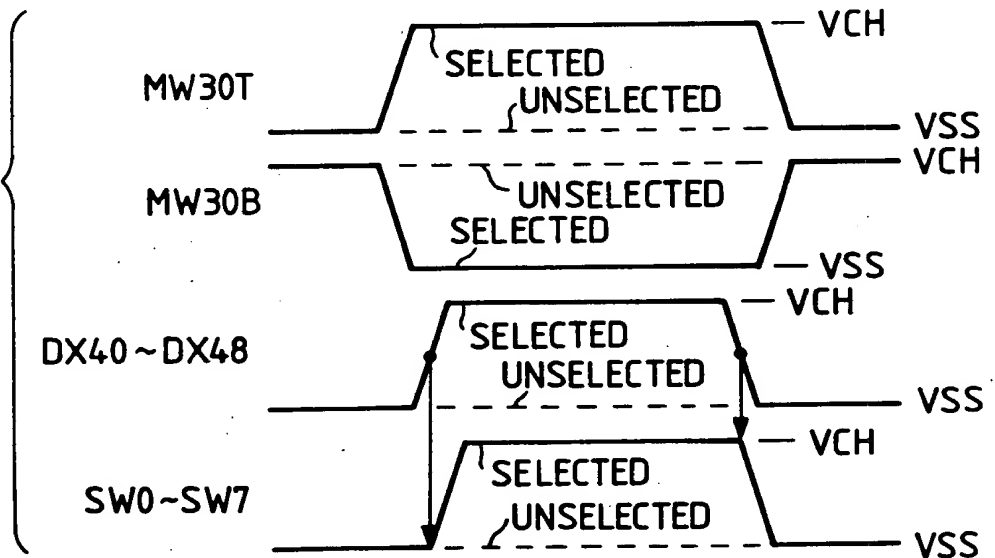


FIG. 8(A)

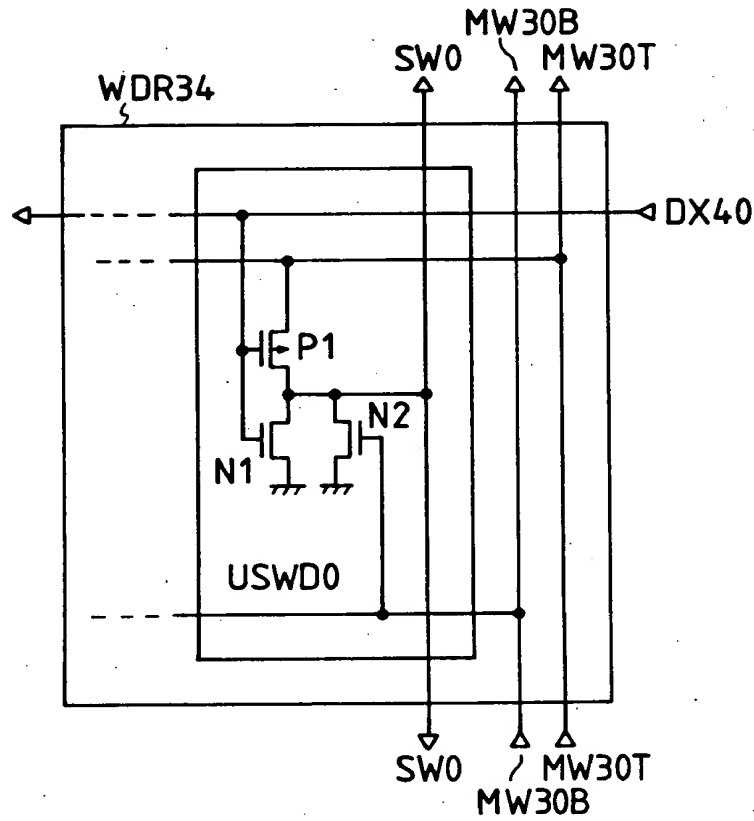
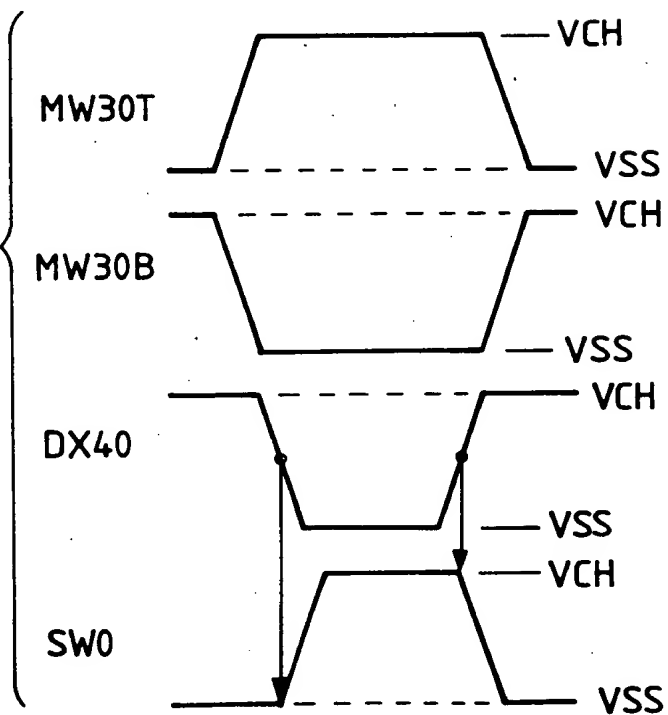


FIG. 8(B)



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FIG. 9(A)

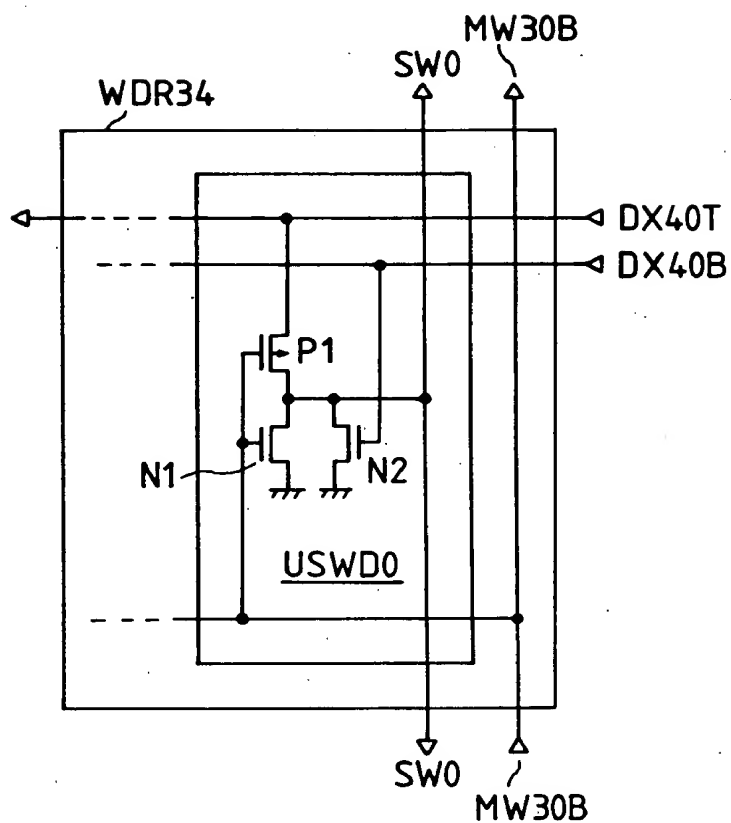
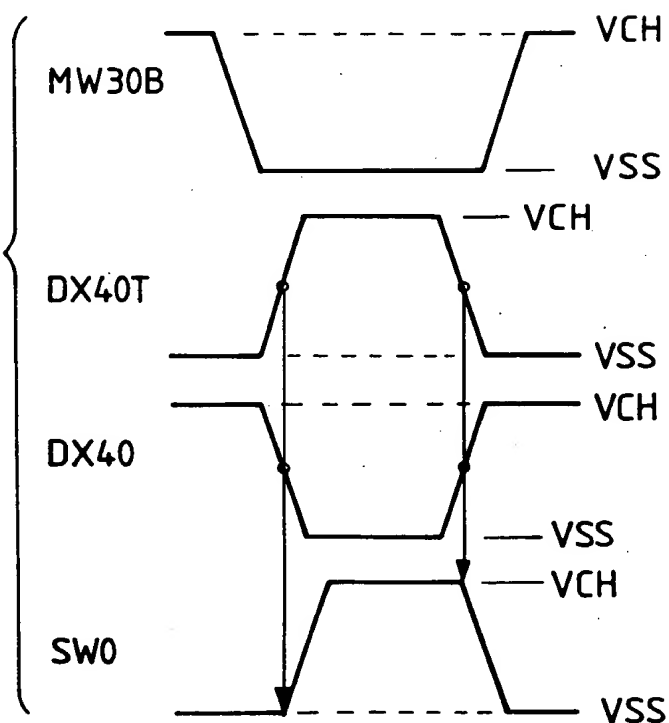
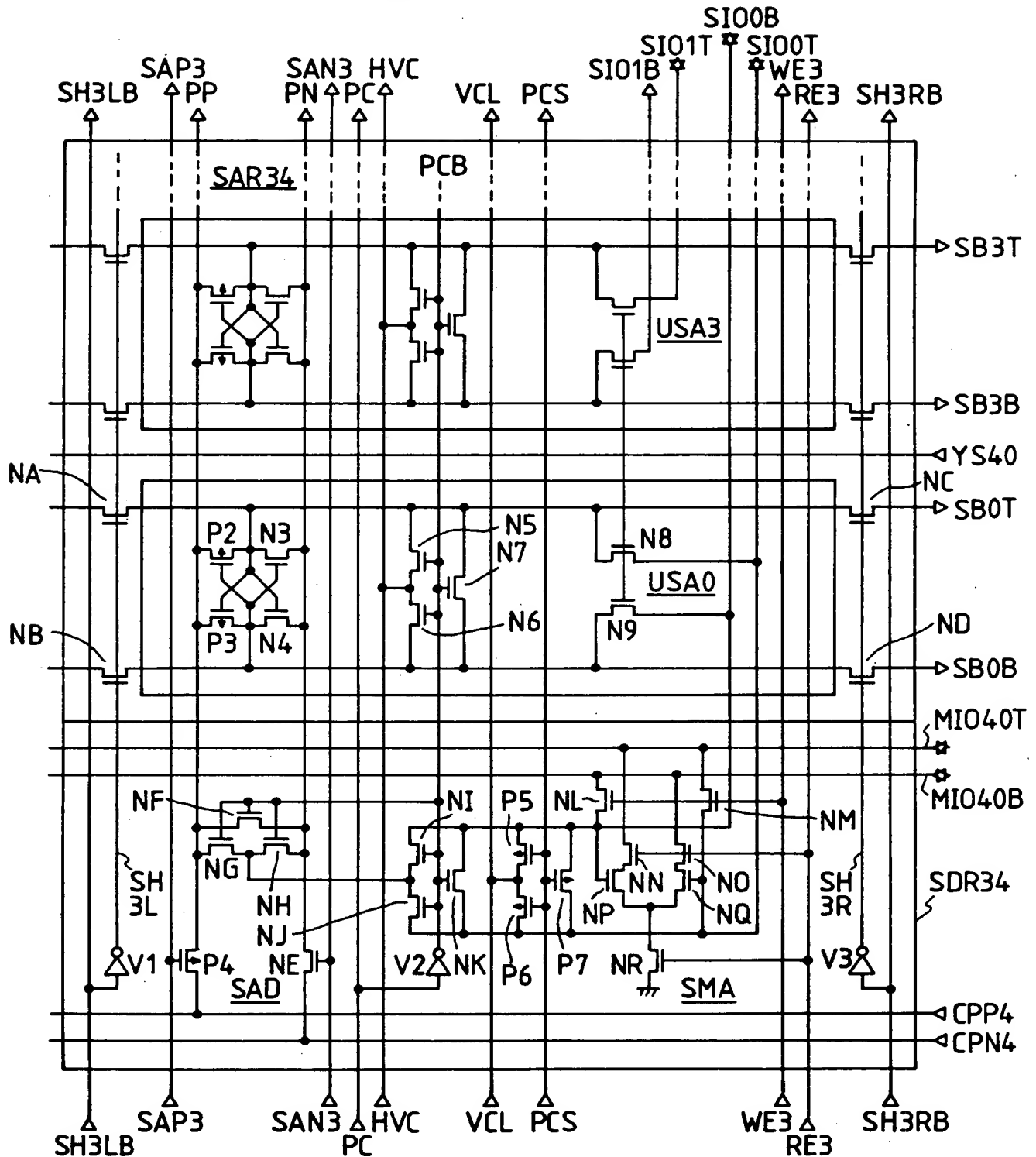


FIG. 9(B)



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FIG. 10



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FIG. 11

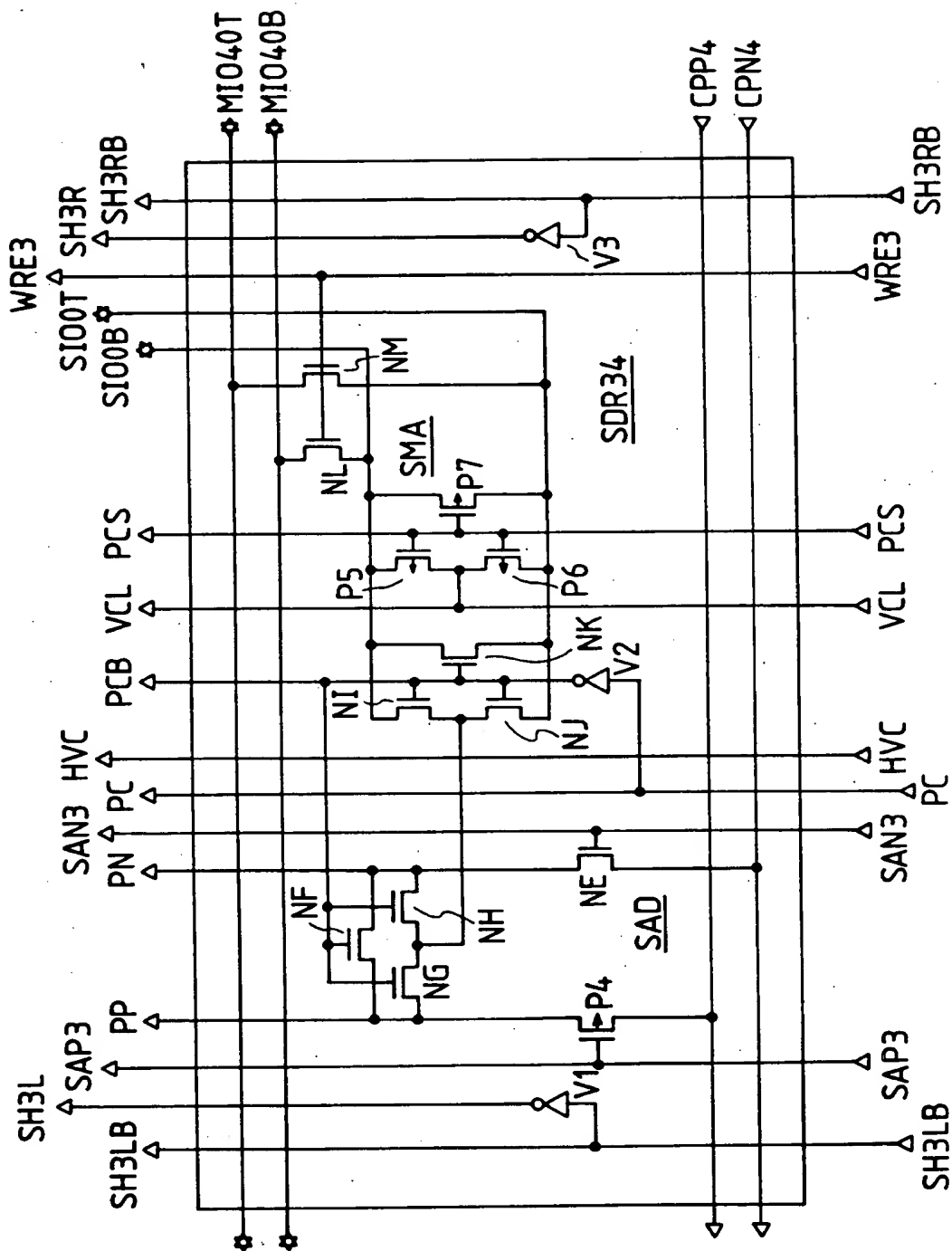


FIG. 12

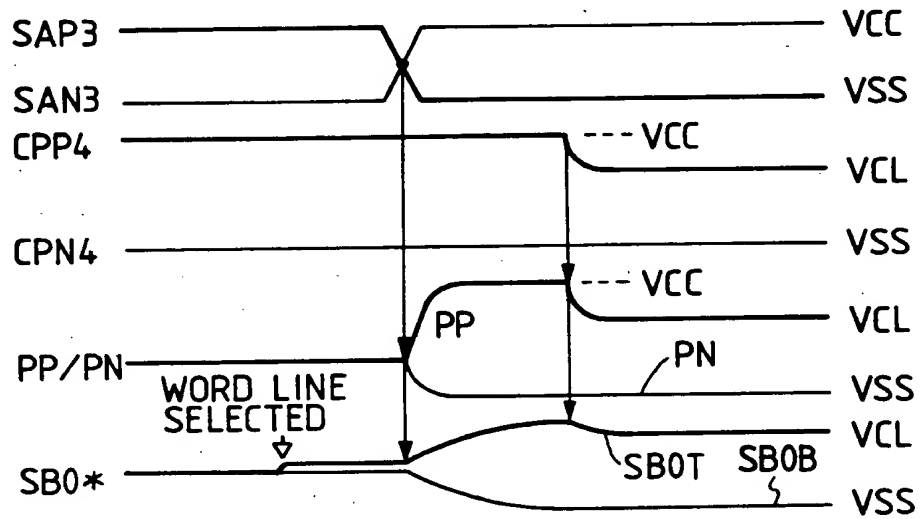


FIG. 14

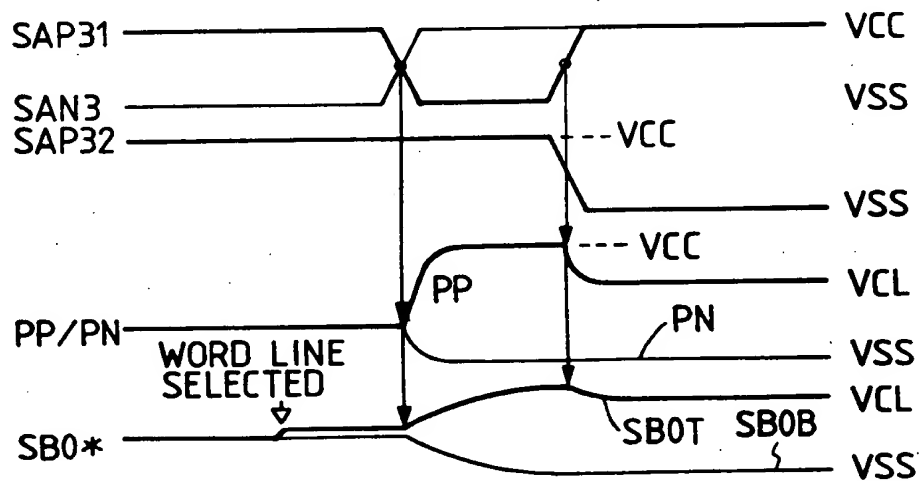


FIG. 13

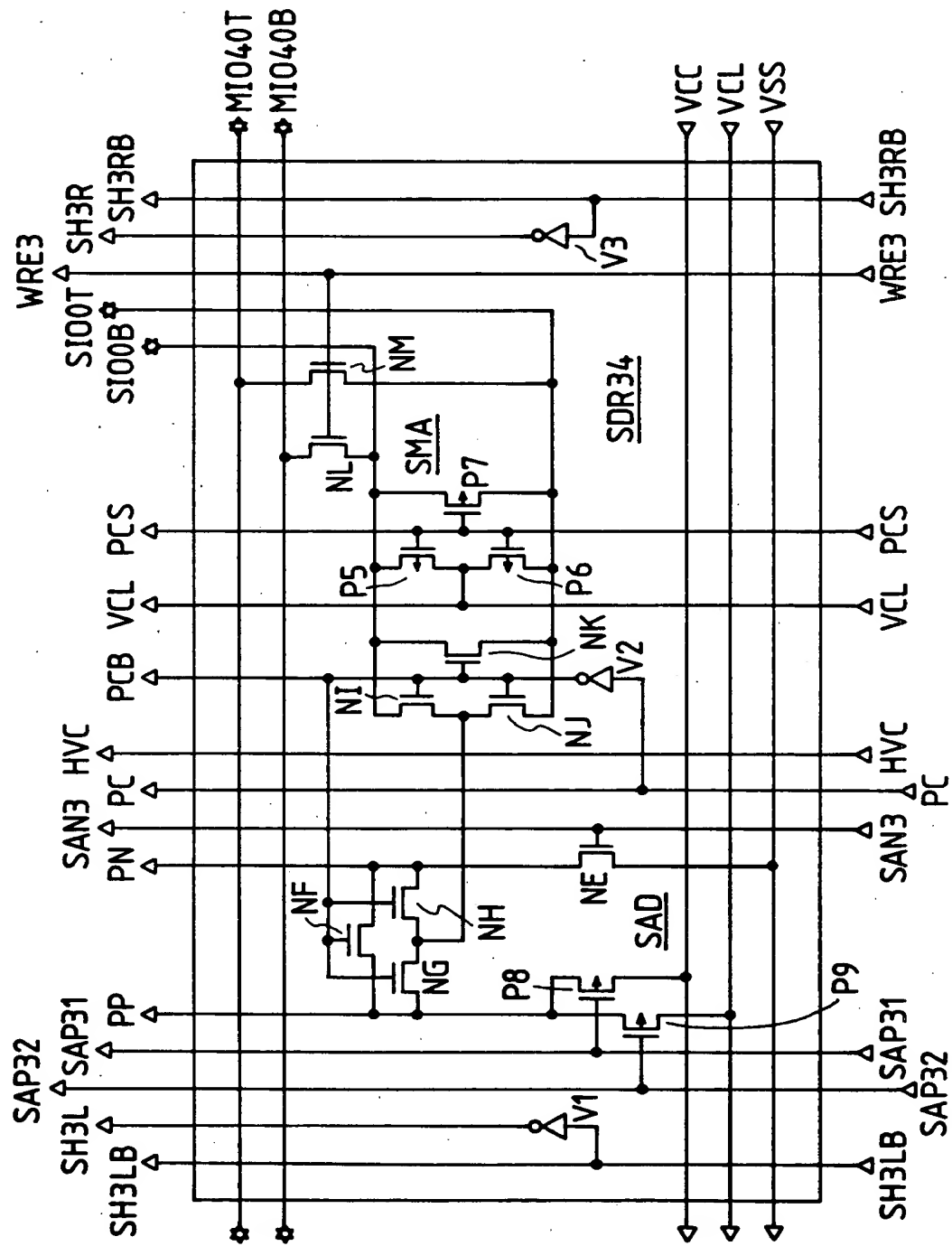


FIG. 15

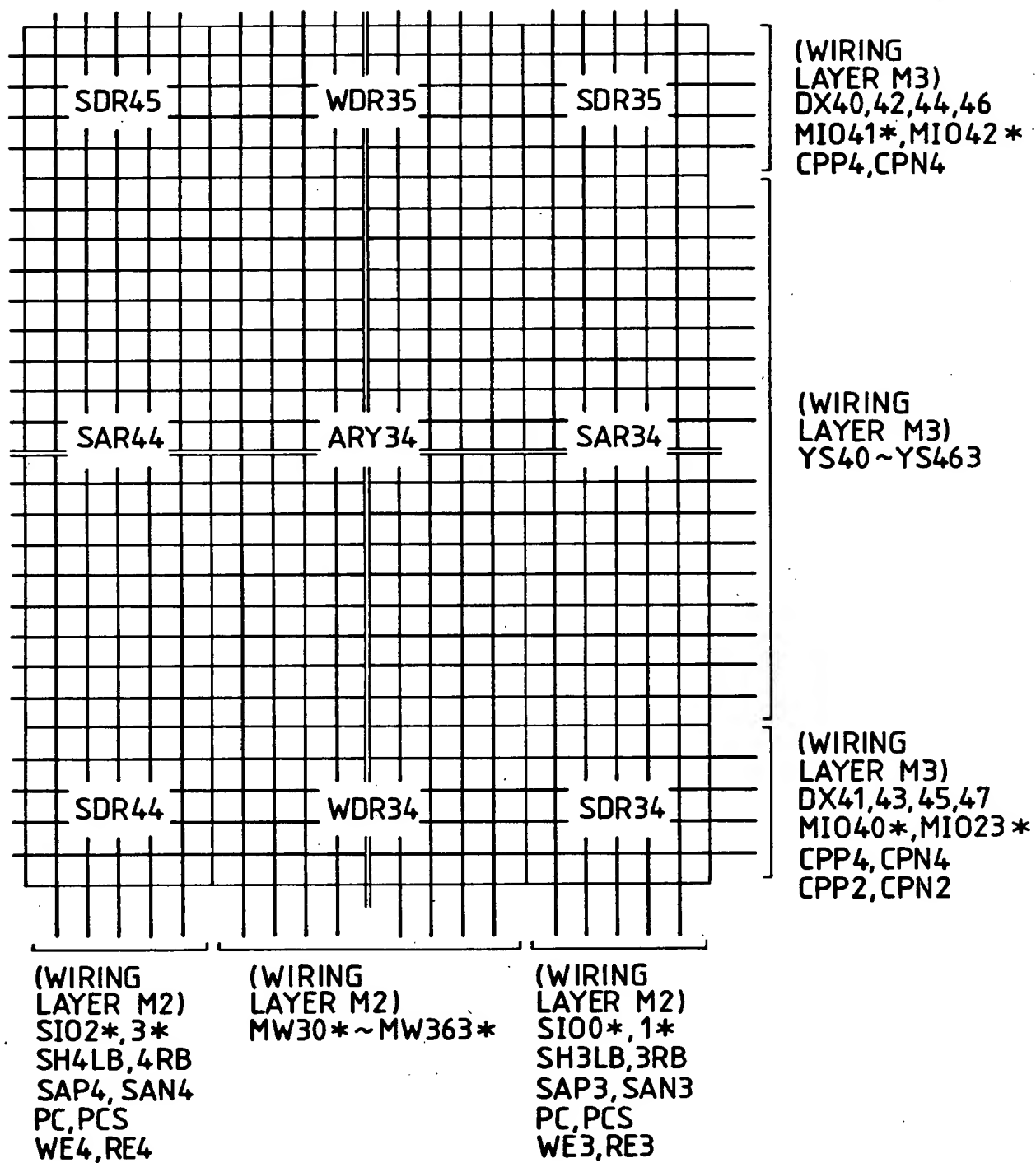
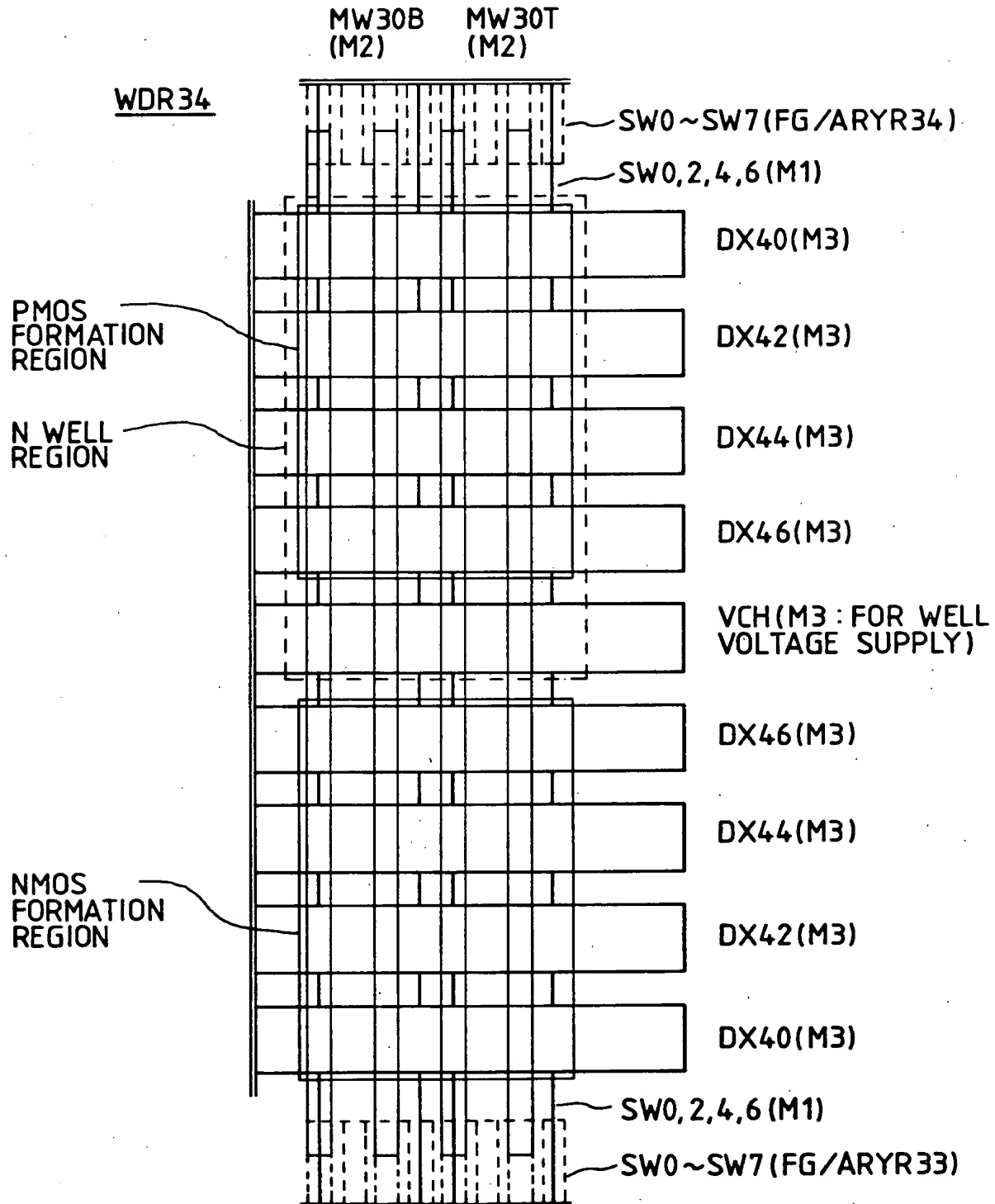
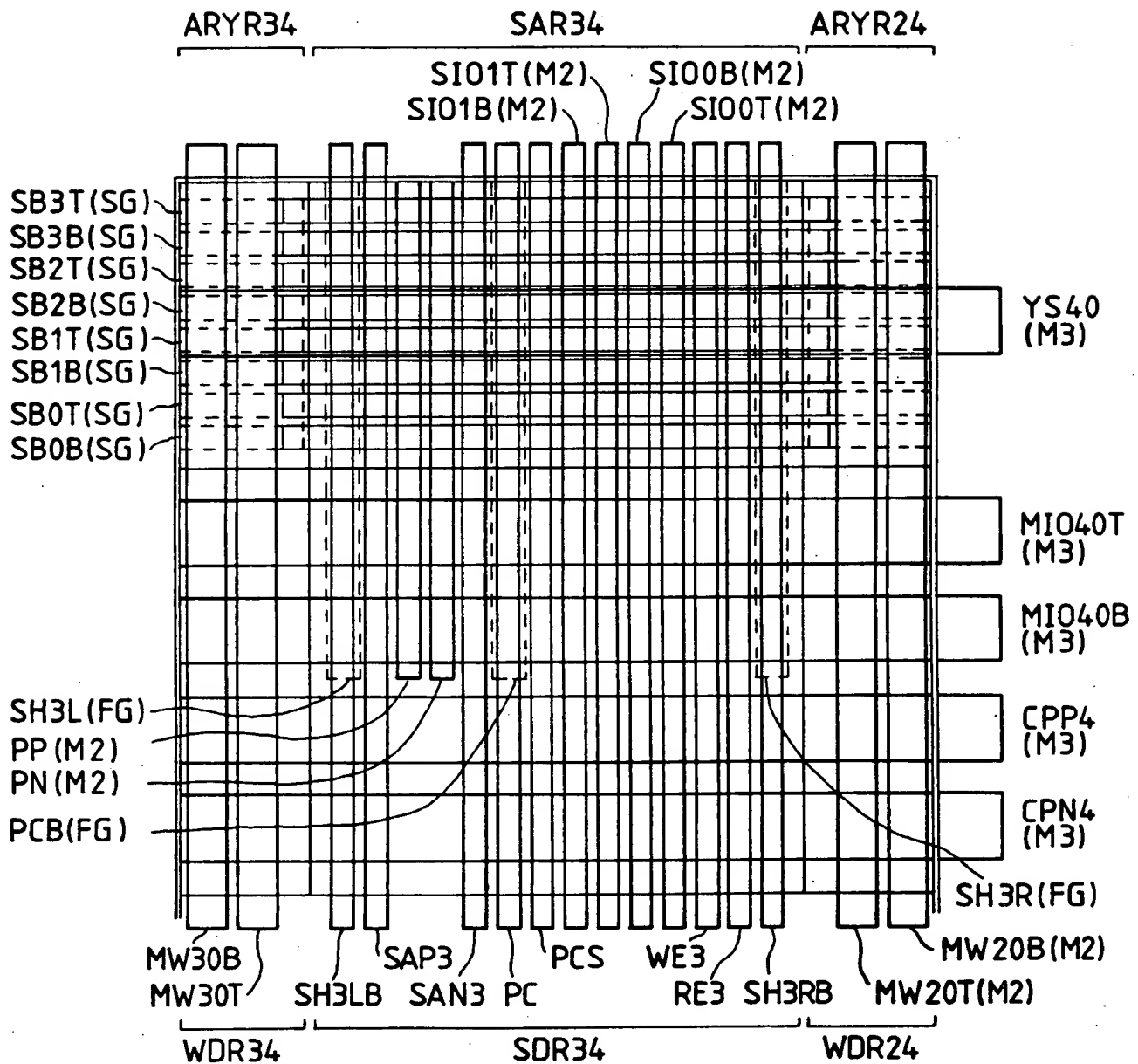


FIG. 16



08982398-120297

FIG. 17



08982298 "120297"

FIG. 18

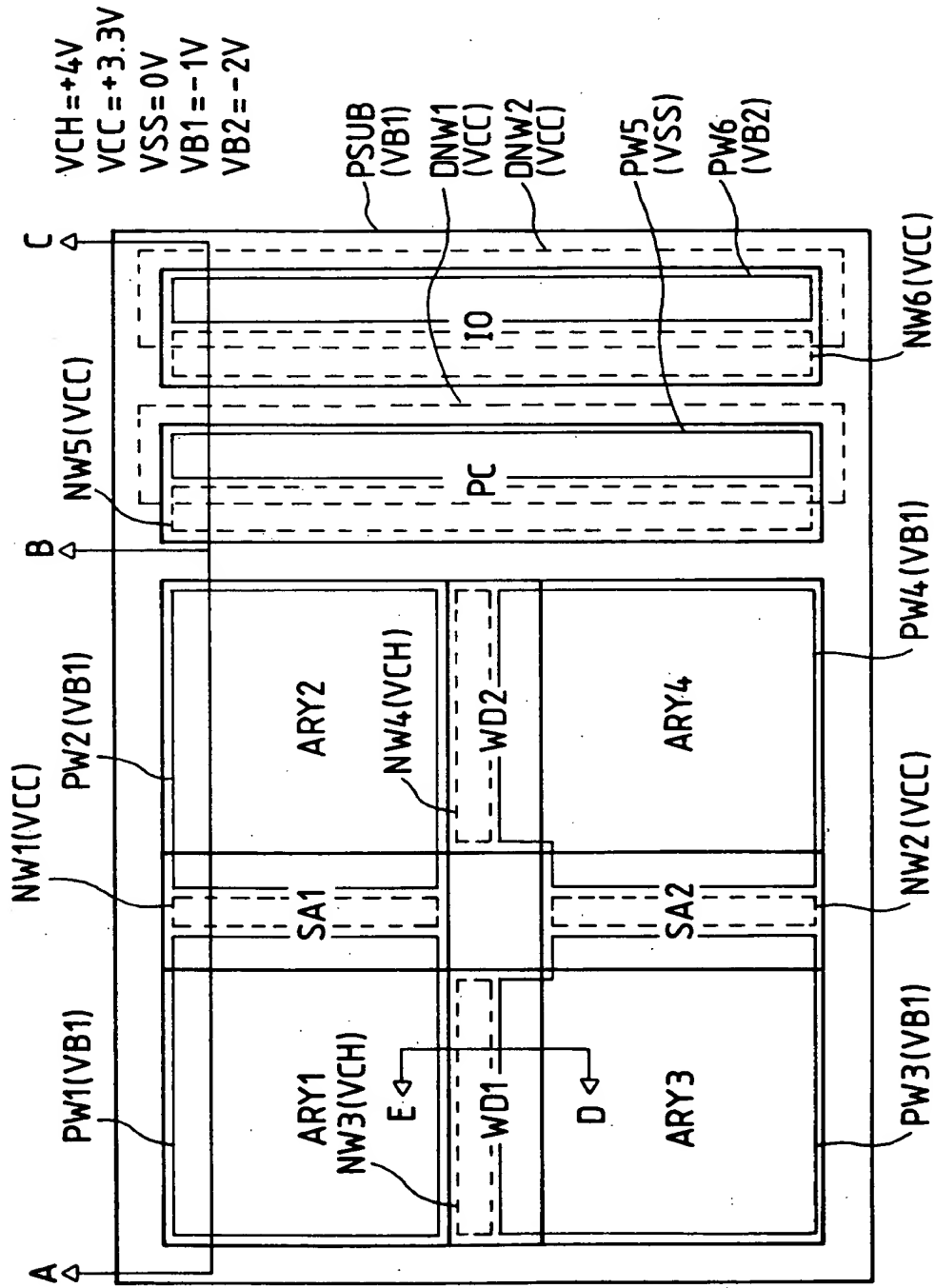


FIG. 19

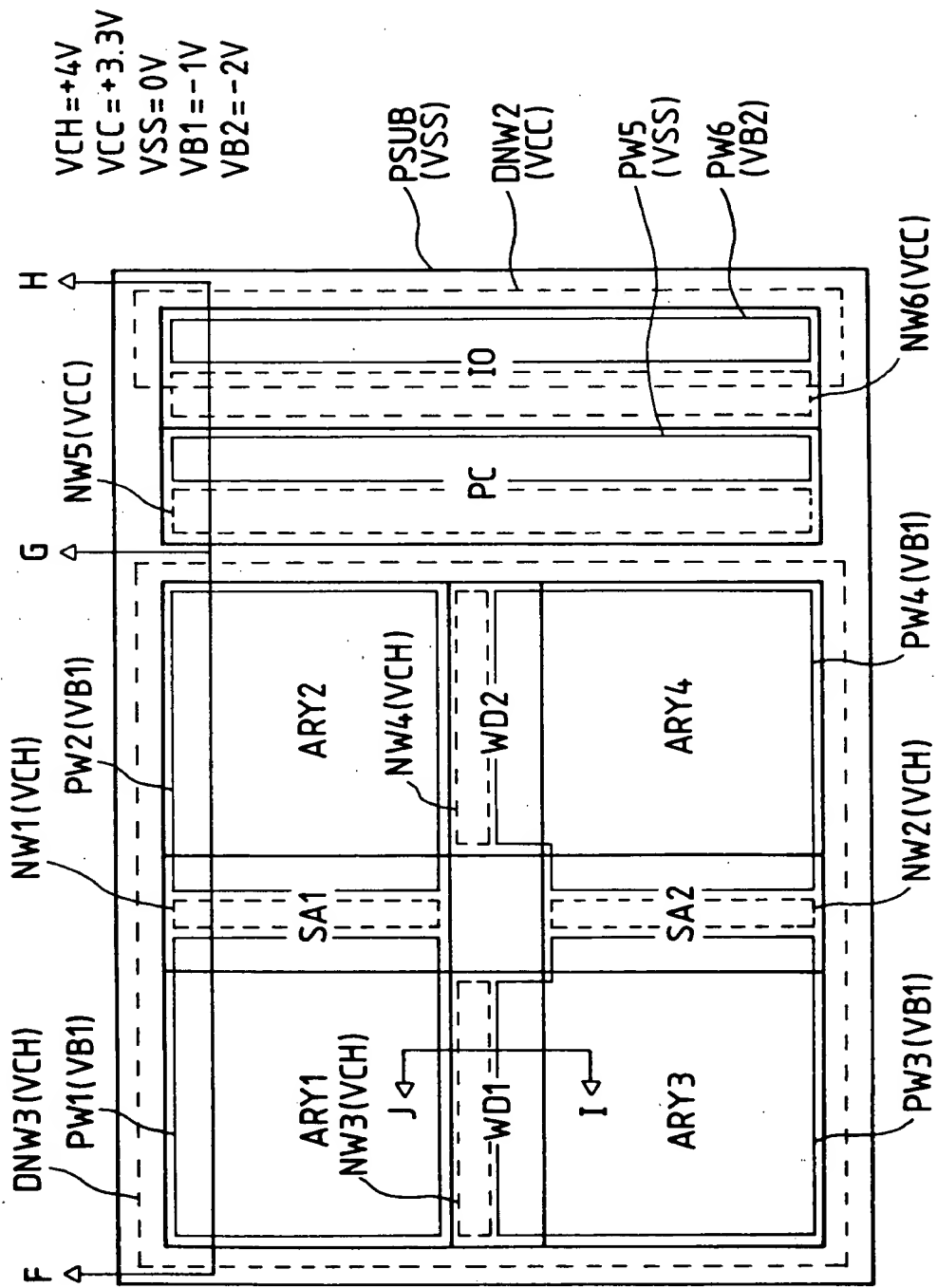


FIG. 20

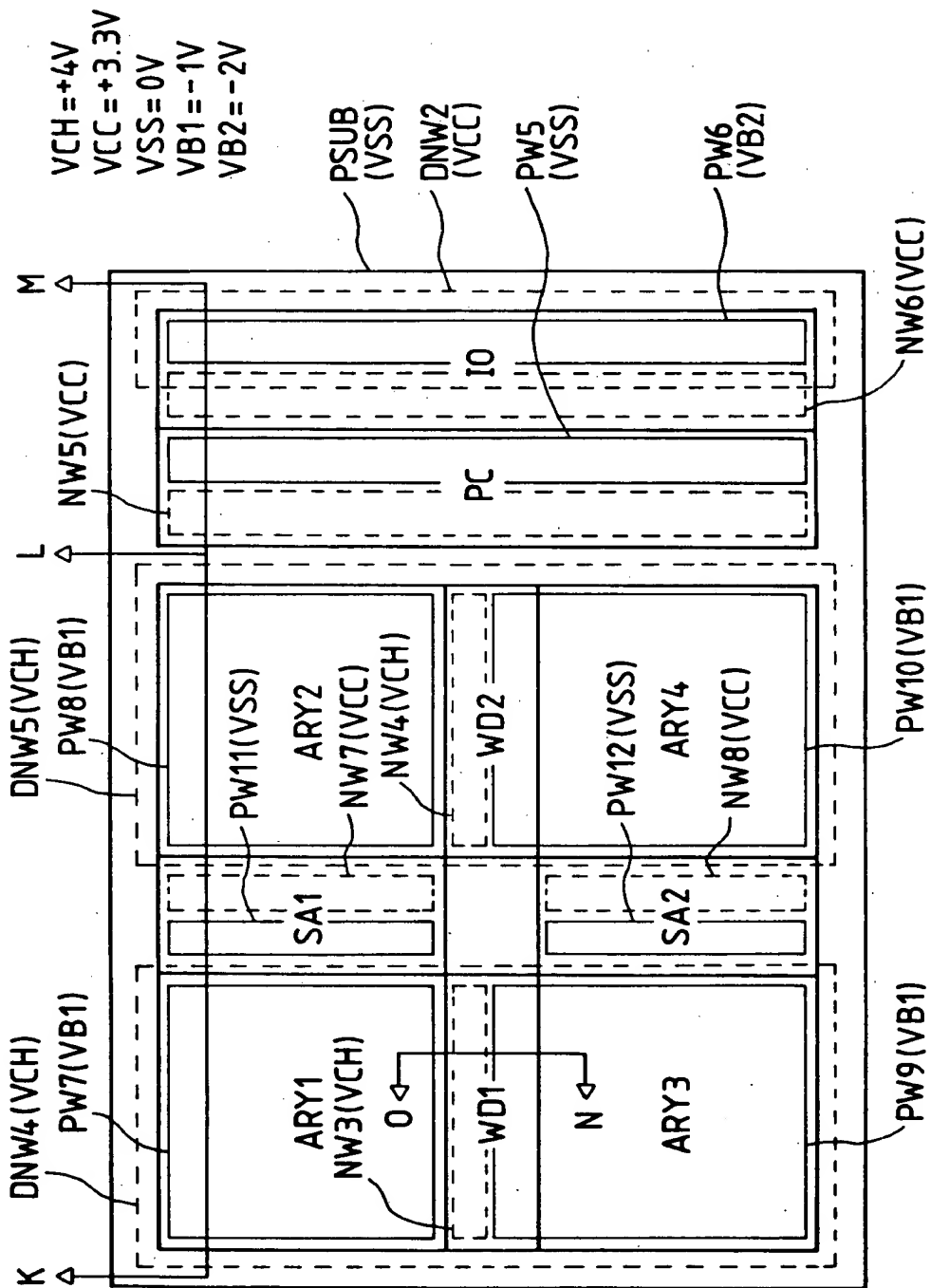


FIG. 21(A)

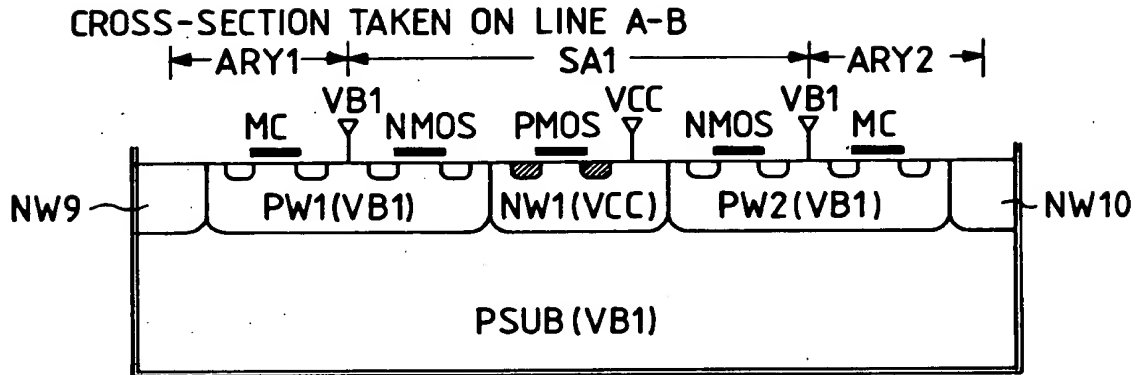


FIG. 21(B)

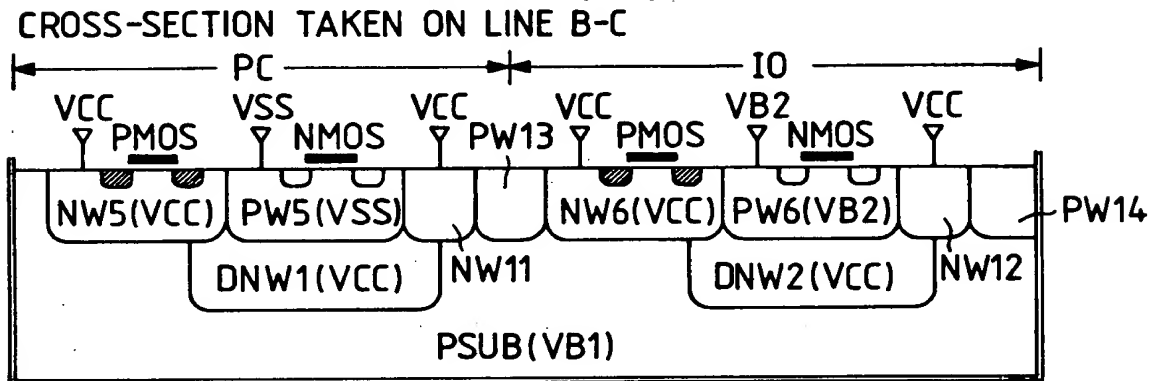
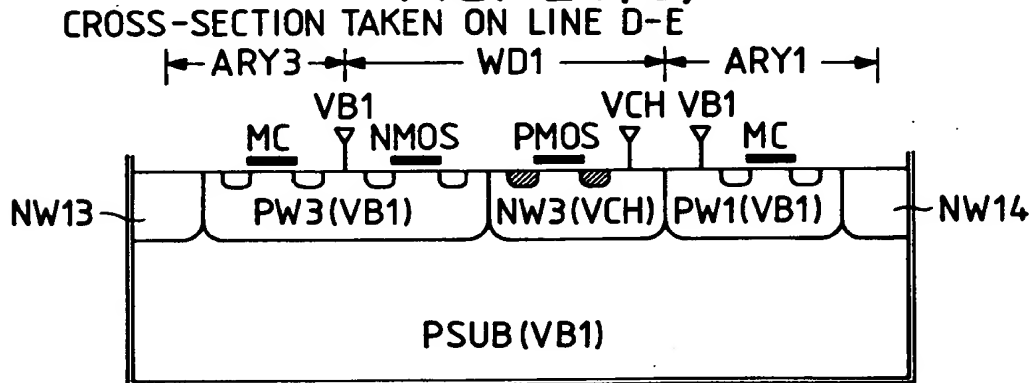


FIG. 21(C)



▨ : P⁺ DIFFUSION LAYER □ : N⁺ DIFFUSION LAYER

VCH=+4V VCC=+3.3V VSS=0V VB1=-1V VBB=-2V

FIG. 22(A)

CROSS-SECTION TAKEN ON LINE F-G

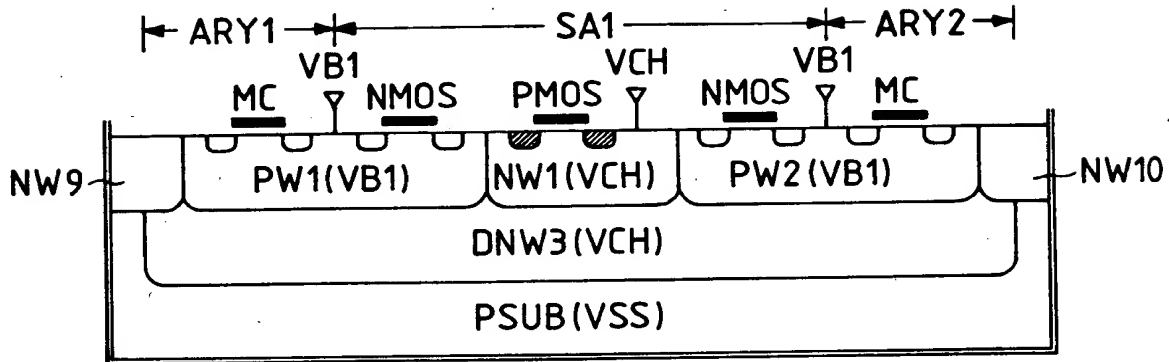


FIG. 22(B)

CROSS-SECTION TAKEN ON LINE G-H

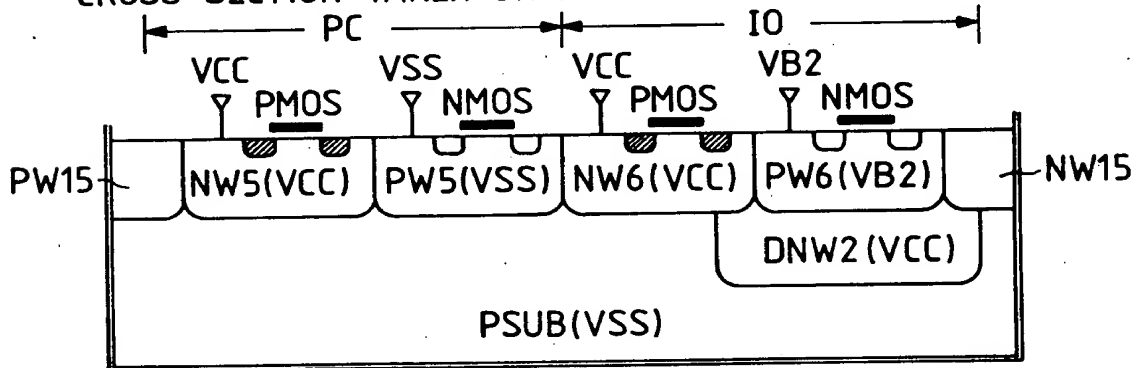
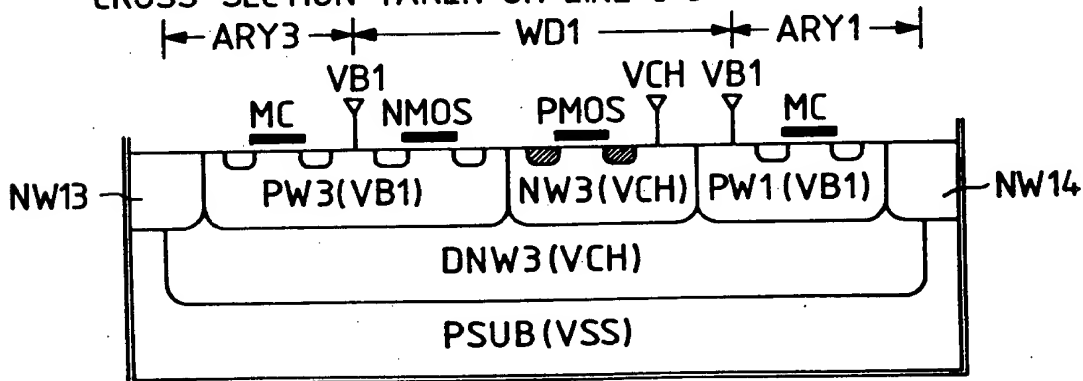


FIG. 22(C)

CROSS-SECTION TAKEN ON LINE I-J

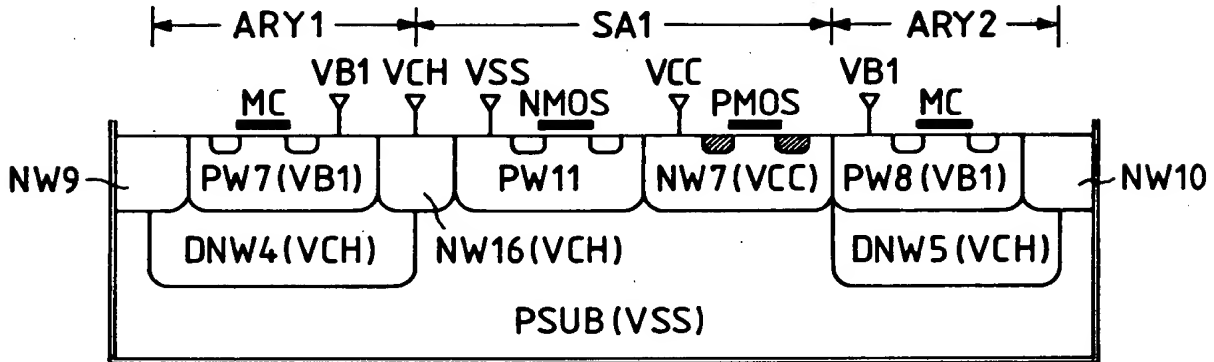


: P⁺ DIFFUSION LAYER
 : N⁺ DIFFUSION LAYER

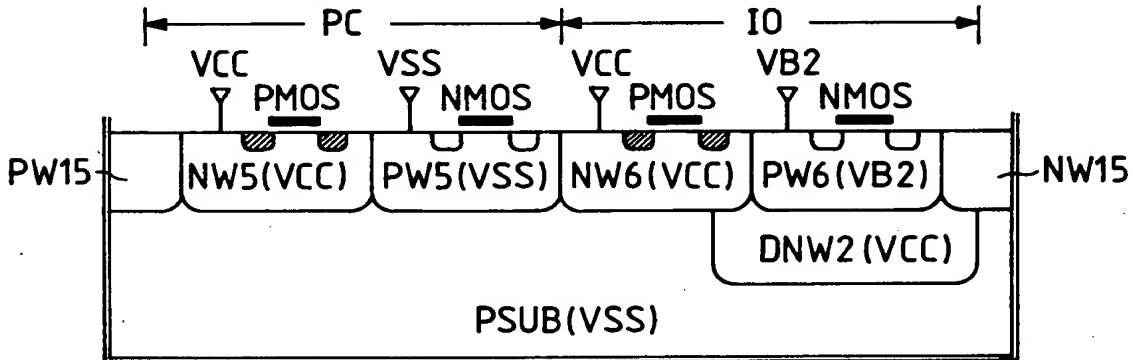
VCH = +4V VCC = +3.3V VSS = 0V VB1 = -1V VBB = -2V

FIG. 23(A)

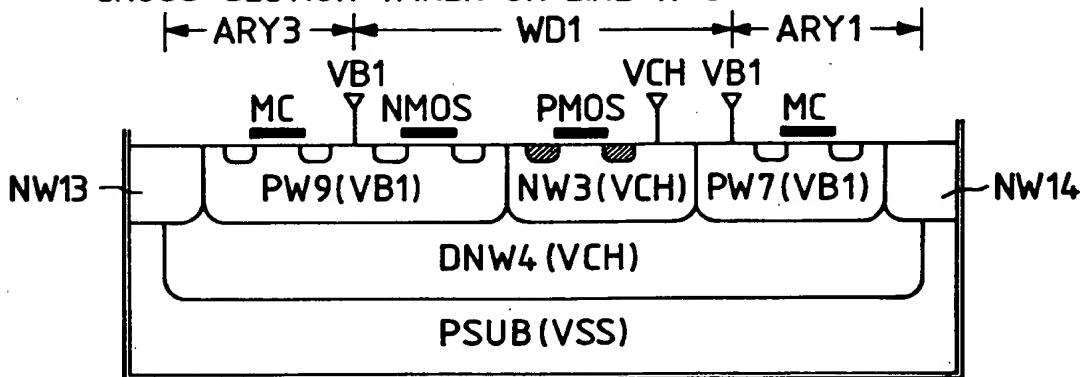
CROSS-SECTION TAKEN ON LINE K-L

**FIG. 23(B)**

CROSS-SECTION TAKEN ON LINE L-M

**FIG. 23(C)**

CROSS-SECTION TAKEN ON LINE N-O



 : P⁺ DIFFUSION LAYER
  : N⁺ DIFFUSION LAYER

VCH=+4V VCC=+3.3V VSS=0V VB1=-1V VBB=-2V